Part 1:

(All time in ms)					
	w = 1024		w = 2048		w = 4096
GPU					
8 threads/block	0.208992		0.629045		1.6712
16 threads/block	0.227392		0.374304		1.144619
32 threads/block	0.217024		0.3728		0.6392
64 threads/block	0.223989		0.362944		0.652608
128 threads/block	0.216299		0.366272		0.66

Part 2:

(All time in ms)	NUMPARTICLES = 1024	NUMPARTICLES = 8192	NUMPARTICLES = 32768
CPU:	12.013	611.084	9725.951
GPU:			
4 threads/block	1.551072	54.23172	717.128059
16 threads/block	0.876619	19.837259	205.119715
64 threads/block	0.890624	8.972736	130.477463